

PART I - GENERAL

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| <u>1.1 Related Work</u> | .1 | Rough Grading | : | Section 02211 |
| | .2 | Topsoil and Finish Grading | : | Section 02212 |
| | .3 | Sodding | : | Section 02938 |
| | .4 | Planting | : | Section 02950 |
| <u>1.2 Scope of Work</u> | .1 | This section applies to all areas that are intended to be fine graded and hydro-seeded. Areas to be hydro-seeded, such as greenbelts, will be identified on the approved working drawings. | | |
| | .2 | Coordinate work in this section with work in all other sections. | | |
| <u>1.3 Quality Assurance</u> | .1 | Contractor | | |
| | .1 | The contractor shall supervise all work in this section including implementation and all maintenance until Final Acceptance of the works by the City. | | |
| | .2 | The contractor shall obtain approvals for suppliers, sub-contractors, and materials to be used in this section of work. | | |
| | .3 | The contractor / sub-contractor implemented works in this section shall meet the standards of "Landscape Ontario" and shall be approved by the Community Services Department. | | |
| | .2 | Suppliers | | |
| | .1 | The seed supplier shall meet the standards and requirements of the Federal Government of Canada Seeds Act and Regulations. | | |
| | .2 | Obtain approval of seed source by the Community Services representative and consultant a minimum of 7 days prior to delivery of product to site. | | |
| | .3 | When proposed source of seed is approved, use no other source without written authorization from the | | |

Community Services representative.

- 1.4 Product Data .1 Provide product data for :
- .1 Seed
 - .2 Fertilizer
 - .3 Hydraulic Mulch
 - .4 Tackifier
- 1.5 Guarantee .1 The contractor shall guarantee all material and workmanship for a period of two years from the date of Preliminary Acceptance by the City.

PART II - PRODUCTS

- 2.1 Materials .1 Seed supplied shall be best quality certified and as approved by consultant. Seeds shall be furnished on the job in their original sealed packages bearing the brand name of the producer or distributor. Only seeds harvested the proceeding season will be accepted. All seed shall be Canada Certified Number 1 Grade in accordance with Government of Canada Seeds Act and Regulations. The seed mix, rate of application, and the supplier will be identified on the approved working drawings.
- .2 Mulch :
- .1 Fibres : 99% organic content;
 - .2 Free of growth- inhibiting ingredients;
 - .3 Capable of dispersing in water to form homogeneous slurry;
 - .4 Capable of forming an absorptive mat ground cover allowing water percolation;
 - .5 All material to be in conformance with suppliers' recommendations.
- .3 Water: Potable and free of impurities that would inhibit germination and growth.

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- .4 Fertilizer: Fertilizer to be as specified on drawings and to contain amendments identified by topsoil testing for the site.
 - .5 Tackifier: Water dilutable liquid dispersion containing the tackifier emulsion per supplier's recommendations.
- 2.2 Equipment
- .1 Truck :
 - .1 Slurry tank : minimum 4500 L.
 - .2 Pumps capable of maintaining continuous non-fluctuating flow of solution.

PART III - EXECUTION

- 3.1 Workmanship
- .1 Take reasonable care to prevent spraying items such as structures, signs, guide rails, fences, plant materials and utilities.
 - .2 Do not perform work under adverse field conditions such as wind speeds over 10 km/h, frozen ground or ground covered with snow, ice or standing water.
 - .3 Protect seeded areas against damage. Remove protection after seeded areas have been accepted by the Community Services representative.
- 3.2 Preparation
- .1 Ensure areas to be seeded have been cultivated to the satisfaction of the Community Services representative and are moist to depth of 150 mm before seeding. Fine grade area to be seeded to ensure it is free of humps, hollows, deleterious and refuse materials.
 - .2 Obtain City's approval of topsoil, depth of topsoil and finish grade before commencing any seeding.
- 3.3 Slurry Application
- .1 The slurry mixture is to be prepared and applied according to City's and manufacturer's/supplier's recommendations.
 - .2 Seed, fertilizer and mulch must be thoroughly mixed in the water slurry. Apply seed slurry uniformly.
 - .3 Blend applications into adjacent grass areas or sodded areas to form uniform surfaces.
 - .4 Re-seed areas where application is not uniform.

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- .5 Remove slurry from items and areas not designated to be sprayed.
- 3.4 Establishment and Maintenance
- .1 Perform the following operations from time of seed application until Final Acceptance by the City:
- .1 Water seeded areas as required to ensure germination and continued growth of grass. Control watering to prevent washouts.
- .2 Repair and re-seed dead or bare spots to allow establishment of seed prior to acceptance.
- .3 Cut grass to 40 mm when it reaches height of 60 mm then mow as required.
- .4 Fertilize seeded areas after first cutting at rate indicated by soil analysis report and water the application to the satisfaction of the Community Services representative. Postpone fertilizing until next spring if application falls within four week period prior to expected end of growing season.
- 3.5 Acceptance
- .1 Prior to the park works being eligible to receive Preliminary Acceptance by the City, the seeded areas shall meet the following criteria:
- .1 Seeded areas are properly established;
- .2 Turf is free of eroded, bare or dead spots and 98% free of weeds;
- .3 No surface soil is visible when grass has been cut to height of 40 mm;
- .4 Seeded areas have been cut at least twice.
- .2 If after one full growing season, the seeding does not meet the above requirements, additional seeding shall be required to the satisfaction of the Community Services representative.

END OF SECTION 02934